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12/10/01

RAW SEQUENCE LISTING DATE: 11/23/2001
PATENT APPLICATION: US/09/896,096A TIME: 11:07:25

Input Set : N:\Crf3\RULE60\09896096A.TXT
Output Set: N:\CRF3\11232001\I896096A.raw

ENTERED

<110> APPLICANT: ASHKENAZI, AVI J
BOTSTEIN, DAVID
DODGE, KELLY H.
GURNEY, AUSTIN L.
KIM, KYUNG JIN
LAWRENCE, DAVID A.
PITTI, ROBERT
ROY, MARGARET A
TUMAS, DANIEL B
WOOD, WILLIAM I.
<120> TITLE OF INVENTION: DcR3 Polypeptide, A TNFR Homolog
<130> FILE REFERENCE: P1134R2 REVISED
<140> CURRENT APPLICATION NUMBER: 09/896,096A
<141> CURRENT FILING DATE: 2001-06-28
<150> PRIOR APPLICATION NUMBER: US 09/157,289
<151> PRIOR FILING DATE: 1998-09-18
<150> PRIOR APPLICATION NUMBER: US 60/059,288
<151> PRIOR FILING DATE: 1997-09-18
<150> PRIOR APPLICATION NUMBER: US 60/094,640
<151> PRIOR FILING DATE: 1998-07-30
<160> NUMBER OF SEQ ID NOS: 18
<210> SEQ ID NO: 1
<211> LENGTH: 300
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

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 1               5                  10                  15
Leu Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val
            20                  25                  30
Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu
        35                  40                  45
Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg
    50                  55                  60
Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro
65                  70                  75
Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr
            80                  85                  90
Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys
        95                  100                 105
His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe
    110                 115                 120
Ala His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly
125                 130                 135
Ala Gly Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys
            140                 145                 150
Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser Ser
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Input Set : N:\Crf3\RULE60\09896096A.TXT
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```
                  155                 160                 165
Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala
                  170                 175                 180
Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu Cys Thr Ser
                  185                 190                 195
Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala Glu Glu
                  200                 205                 210
Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile Ser
                  215                 220                 225
Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
                  230                 235                 240
Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu
                  245                 250                 255
Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly
                  260                 265                 270
Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met
                  275                 280                 285
Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
                  290                 295                 300
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<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: Unsure
<222> LOCATION: 1090
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 agggtcctgt gtccgcgctg agccgcgctc tccctgctcc agcaaggacc 100
 atgagggcgc tggaggggcc aggcctgtcg ctgctgtgcc tggtgttggc 150
 gctgcctgcc ctgctgccgg tgccggctgt acgcggagtg gcagaaacac 200
 ccacctaccc ctggcgggac gcagagacag gggagcggct ggtgtgcgcc 250
 cagtgccccc caggcacctt tgtgcagcgg ccgtgccgcc gagacagccc 300
 cacgacgtgt ggcccgtgtc caccgcgcca ctacacgcag ttctggaact 350
 acctggagcg ctgccgctac tgcaacgtcc tctgcgggga gcgtgaggag 400
 gaggcacggg cttgccacgc cacccacaac cgtgcctgcc gctgccgcac 450
 cggcttcttc gcgcacgctg gtttctgctt ggagcacgca tcgtgtccac 500
 ctggtgccgg cgtgattgcc ccgggcaccc ccagccagaa cacgcagtgc 550
 cagccgtgcc ccccaggcac cttctcagcc agcagctcca gctcagagca 600
 gtgccagccc caccgcaact gcacggccct gggcctggcc ctcaatgtgc 650
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 ctcagcacca gggtaccagg agctgaggag tgtgagcgtg ccgtcatcga 750
 ctttgtggct ttccaggaca tctccatcaa gaggctgcag cggctgctgc 800
 aggccctcga ggccccggag ggctggggtc cgacaccaag ggcgggccgc 850
 gcggccttgc agctgaagct gcgtcggcgg ctcacggagc tcctgggggc 900
 gcaggacggg gcgctgctgg tgcggctgct gcaggcgctg cgcgtggcca 950
 ggatgcccgg gctggagcgg agcgtccgtg agcgcttcct ccctgtgcac 1000
 tgatcctggc cccctcttat ttattctaca tccttggcac cccacttgca 1050
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RAW SEQUENCE LISTING DATE: 11/23/2001
PATENT APPLICATION: US/09/896,096A TIME: 11:07:25

Input Set : N:\Crf3\RULE60\09896096A.TXT
Output Set: N:\CRF3\11232001\I896096A.raw

W--> 151 ctgaaagagg ctttttttta aatagaagaa atgaggtttn ttaaaaaaaa 1100
153 aaaaaaaaaa aaaa 1114
155 <210> SEQ ID NO: 3
156 <211> LENGTH: 491
157 <212> TYPE: DNA
158 <213> ORGANISM: Unknown
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Unknown organism
163 <220> FEATURE:
164 <221> NAME/KEY: unsure
165 <222> LOCATION: 62, 73, 86, 98
166 <223> OTHER INFORMATION: unknown base
168 <400> SEQUENCE: 3
169 gccgagacag ccccacgacg tgtggcccgt gtccaccgcg ccactacacg 50
W--> 171 cagttctgga antaactgga gcnctgccgc tactgnaacg tcctctgngg 100
173 ggagcgtgag gaggaggcac gggcttgcca cgccacccac aaccgtgcct 150
175 gccgctgccg caccggcttc ttcgcgcacg ctggtttctg cttggagcac 200
177 gcatcgtgtc cacctggtgc cggcgtgatt gccccgggca cccccagcca 250
179 gaacacgcag tgcctagccg tgcccccccag gcaccttctc agccagcagc 300
181 tccagctcag agcagtgcca gccccaccgc aactgcacgg ccctgggcct 350
183 ggccctcaat gtgccaggct cttcctccca tgacaccctg tgcaccagct 400
185 gcactggctt ccccctcagc accagggtac caggagctga ggagtgtgag 450
187 cgtgccgtca tcgactttgt ggctttccag gacatctcca t 491
189 <210> SEQ ID NO: 4
190 <211> LENGTH: 73
191 <212> TYPE: DNA
192 <213> ORGANISM: Unknown
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Unknown organism
197 <400> SEQUENCE: 4
198 gccgagacag ccccacgacg tgtggcccgt gtccaccgcg ccactacacg 50
200 cattctggaa ctacctggag cgc 73
202 <210> SEQ ID NO: 5
203 <211> LENGTH: 271
204 <212> TYPE: DNA
205 <213> ORGANISM: Unknown
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Unknown organism
210 <220> FEATURE:
211 <221> NAME/KEY: unsure
212 <222> LOCATION: 42, 62, 73, 86, 98, 106, 120, 122, 153, 167, 184, 220, 233
213 <223> OTHER INFORMATION: unknown base
215 <400> SEQUENCE: 5
W--> 216 gccgagacag ccccacgacg tgtggcccgt gtccaccgcg cnactacacg 50
W--> 218 cagttctgga antaactgga gcnctgccgc tactgnaacg tcctctgngg 100
W--> 220 ggagcntgag gaggaggcan gngcttgcca cgccacccac aaccgcgcct 150
W--> 222 gcngctgcag caccggnttc ttcgcgcacg ctgntttctg cttggagcac 200
W--> 224 gcatcgtgtc cacctggtgn cggcgtgatt gcnccgggca cccccagcca 250
226 gaacacgcat gcaaagccgt g 271

RAW SEQUENCE LISTING DATE: 11/23/2001
PATENT APPLICATION: US/09/896,096A TIME: 11:07:25

Input Set : N:\Crf3\RULE60\09896096A.TXT
Output Set: N:\CRF3\11232001\I896096A.raw

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     229 <211> LENGTH: 201
     230 <212> TYPE: DNA
     231 <213> ORGANISM: Unknown
     233 <220> FEATURE:
     234 <223> OTHER INFORMATION: Unknown organism
     236 <220> FEATURE:
     237 <221> NAME/KEY: unsure
     238 <222> LOCATION: 182
     239 <223> OTHER INFORMATION: unknown base
     241 <400> SEQUENCE: 6
     242  gcagttctgg aactacctgg agcgctgccg ctactgcaac gtcctctgcg 50
     244  gggagcgtga ggaggaggca cgggcttgcc acgccaccca caaccgtgcc 100
     246  tgccgctgcc gcaccggctt cttcgcgcac gctggtttct gcttggagca 150
W--> 248  cgcatcgtgt ccacctggtg ccggcgtgat tnccccgggc acccccagcc 200
     250  a 201
     252 <210> SEQ ID NO: 7
     253 <211> LENGTH: 277
     254 <212> TYPE: DNA
     255 <213> ORGANISM: Unknown
     257 <220> FEATURE:
     258 <223> OTHER INFORMATION: Unknown organism
     260 <220> FEATURE:
     261 <221> NAME/KEY: unsure
     262 <222> LOCATION: 142
     263 <223> OTHER INFORMATION: unknown base
     265 <400> SEQUENCE: 7
     266  gaggggcccc caggagtggt ggccggaggt gtggcagggg tcaggttgct 50
     268  ggtcccagcc ttgcaccctg agctaggaca ccagttcccc tgaccctgtt 100
W--> 270  cttccctcct ggctgcaggc acccccagcc agaacacgca gnccagccgt 150
     272  gccccccagg caccttctca gccagcagct ccagctcaga gcagtgccag 200
     274  ccccaccgca actgcacggc cctgggcctg gccctcaatg tgccaggctc 250
     276  ttcctcccat gacaccctgt gcaccag 277
     278 <210> SEQ ID NO: 8
     279 <211> LENGTH: 199
     280 <212> TYPE: DNA
     281 <213> ORGANISM: Unknown
     283 <220> FEATURE:
     284 <223> OTHER INFORMATION: Unknown organism
     286 <400> SEQUENCE: 8
     287  gcatcgtgtc cacctggtgc cggcgtgatt gccccgggca cccccagcca 50
     289  gaacacgcag gcctagccgt gcccccccagg caccttctca gccagcagct 100
     291  ccagctcaga gcagtgccag ccccaccgca actgcacggc cctgggcctg 150
     293  gccctcaatg tgccaggctc ttcctcccat gacaccctgt gcaccagct 199
     295 <210> SEQ ID NO: 9
     296 <211> LENGTH: 226
     297 <212> TYPE: DNA
     298 <213> ORGANISM: Unknown
     300 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 11/23/2001
PATENT APPLICATION: US/09/896,096A TIME: 11:07:25

Input Set : N:\Crf3\RULE60\09896096A.TXT
Output Set: N:\CRF3\11232001\I896096A.raw

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     301 <223> OTHER INFORMATION: Unknown organism
     303 <220> FEATURE:
     304 <221> NAME/KEY: unsure
     305 <222> LOCATION: 4, 9, 12, 165
     306 <223> OTHER INFORMATION: unknown base
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     311  tgccagcccc accgcaactg cacggccctg ggcctggccc tcaatgtgcc 100
     313  aggctcttcc tcccatgaca cgctgtgcac cagctgcact ggcttccccc 150
W--> 315  tcagcaccag ggtancagga gctgaggagt gtgagcgtgc cgtcatcgac 200
     317  tttgtggctt tccaggacat ctccat 226
     319 <210> SEQ ID NO: 10
     320 <211> LENGTH: 283
     321 <212> TYPE: DNA
     322 <213> ORGANISM: Homo sapiens
     324 <220> FEATURE:
     325 <221> NAME/KEY: Unsure
     326 <222> LOCATION: 1-283
     327 <223> OTHER INFORMATION: Unknown organism
     329 <220> FEATURE:
     330 <221> NAME/KEY: unsure
     331 <222> LOCATION: 27, 64, 140
     332 <223> OTHER INFORMATION: unknown base
     334 <400> SEQUENCE: 10
W--> 335  cttgtccacc tggtgccggc gtgattnccc gggcaccccc agccagaaca 50
W--> 337  cgcagtgcca gccntccccc caggcacctt ctcagccagc agctccagct 100
W--> 339  cagagcagtg ccagccccac cgcaactgca acgccctggn ctggccctca 150
     341  atgtgccagg ctcttcctcc catgacaccc tgtgcaccag ctgcactggc 200
     343  ttccccctca gcaccagggt accaggagct gaggagtgtg agcgtgccgt 250
     345  catcgacttt gtggctttcc aggacatctc cat 283
     347 <210> SEQ ID NO: 11
     348 <211> LENGTH: 21
     349 <212> TYPE: DNA
     350 <213> ORGANISM: Unknown
     352 <220> FEATURE:
     353 <223> OTHER INFORMATION: Unknown organism
     355 <400> SEQUENCE: 11
     356  cacgctggtt tctgcttgga g 21
     358 <210> SEQ ID NO: 12
     359 <211> LENGTH: 22
     360 <212> TYPE: DNA
     361 <213> ORGANISM: Unknown
     363 <220> FEATURE:
     364 <223> OTHER INFORMATION: Unknown organism
     366 <400> SEQUENCE: 12
     367  agctggtgca cagggtgtca tg 22
     369 <210> SEQ ID NO: 13
     370 <211> LENGTH: 53
     371 <212> TYPE: DNA
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VERIFICATION SUMMARY DATE: 11/23/2001
PATENT APPLICATION: US/09/896,096A TIME: 11:07:26

Input Set : N:\Crf3\RULE60\09896096A.TXT
Output Set: N:\CRF3\11232001\I896096A.raw

L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10